

THE STAR FLEET ENTERPRISE

Feb 4 - 5, 2022

You can count on a conversation regarding 'star fleet' and the vision of building a civilization in space. We'll cover topics such as the hardware necessary for humans to live on-orbit... but we'll also look at the social, cultural, business, legal, and policy elements as well. Finally, every month, we will tackle what's been termed 'the hardest problem, the Holy Grail' of space – having babies born off-world! What are the medical, ethical, biological, and technological hurdles to overcome?

THE STAR FLEET ENTERPRISE features:



Dr. Egbert Edelbroek

Egbert Edelbroek, Ph.D. is founder & CEO of SpaceBorn United. This research- and mission design company researches and enables the conditions for human reproduction in space. The research outcomes and missions program provide a crucial contribution for becoming a multi-planetary species. The current focus is enabling conception and early embryo development in LEO, for which SpaceBorn United developing ARTIS (assisted reproductive technology in space).

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Dr. Angelo Vermeulen

Angelo Vermeulen, Ph.D. is a space systems researcher, biologist, artist and astronaut candidate. He works on bio-inspired concepts for interstellar exploration at TU Delft, with a specific focus on self-replicating architecture and biological life support. He has a deep interest in complex system science and is fascinated by principles of self-organisation, emergence and evolution. Vermeulen was crew commander of the first NASA-funded HI-SEAS Mars simulation in Hawai'i. He is also an artist and co-founder of SEADS (Space Ecologies Art and Design).

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Dr. Namrata Goswami

Namrata Goswami, Ph.D. is an independent scholar on space policy and Great Power Politics. Recently, she has been invited to teach at the Thunderbird School of Global Management, Arizona State University for their Executive Masters in Global Management, Space course. She is a consultant for Space Fund Intelligence. She was awarded the Minerva grant by Office of the U.S. Secretary of Defense to study great power competition in outer space.

Dr. Goswami testified before the U.S-China Economic and Security Review Commission on China's space program.

<https://www.linkedin.com/in/namratagoswami/recent-activity/shares/>

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Dr. Rafael Elias Marques

Rafael Elias Marques, Ph.D. is a Biologist. He obtained his MSc. in Biochemistry and Immunology (2012) and PhD in Immunology (2016) from Universidade Federal de Minas Gerais, Brazil. He spent time abroad at Baylor University (USA) and at the Rega Institute in KULeuven (Belgium). Nowadays, Rafael is a Researcher at CNPEM, a research institution in Brazil housing a synchrotron source, where he leads a group focused on the study of Immunology and Virology, notably on how viral infections may lead to severe diseases in humans.

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Gary Calnan, CFA

Gary Calnan is the Co-Founder and CEO of CisLunar Industries, a space technology startup focused on developing, building, and operating distributed, on-orbit metal processing and space debris recycling facilities. With their industry partners, CisLunar Industries is revolutionizing the economics of space debris removal by transforming this costly clean-up effort into a massive self-sustaining economic opportunity. By treating space debris as a space resource, Gary aims to accelerate the development of a vibrant, diverse, commercially driven in-space economy.

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Dr. Jacob Mulder

Jacob Mulder, Ph.D. is the Minister of Manufacturing of Asgardia, the Space Nation. He studied Astronomy and Information Technology at the University of Groningen, the Netherlands. He also works as an IT Security & Enterprise Architect at CGI, an IT consulting & systems integration multinational. Jacob is in a reclining electronic wheelchair, because gravity squeezes his spine. He therefore plans to emigrate to space in less than 15 years.

[About Asgardia](#)

<https://asgardia.space/en/>

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Cheryl Gallagher is a professional artist and an established ambient electronic recording artist on the Spotted Peccary Music label. Over her years in her positions of parliamentarian, Chairperson and now acting Minister of Culture, Cheryl attends and represents Asgardia at various space based conferences, and both the New York, USA and Vienna, Austria headquarters of the United Nations (UNOOSA). Cheryl is also part of the Multiplanetary Society's leadership team, serving as a Creative Director and media specialist.

About Asgardia

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Kamil Muzyka, M.A.

Kamil Muzyka, (PhD candidate) is a member of the Polish Astrobiological Society, Co-editor of Prawo i Kosmos, specialist in Space manufacturing law, the field intersecting space law and patent law.

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Paul Cheng, MBA

Paul Cheng MBA, BA (Economics and Geology), is a retired International Management Consultant. Paul has an extensive background working for major exploration projects around the world. During his career, Paul managed hundred plus employees and budgets in excess of \$30,000,000. He received 2 patents from USPTO in advanced materials (FuseRing.com) plus additional Patents Pending.

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Krystal Scordo, B.A.

Krystal Scordo is a communicator and storyteller at heart. Head of marketing and communications at Astroscale U.S., Krystal is responsible for building brand awareness, engaging internal and external stakeholders, and creating space sustainability champions with every interaction.

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Troy Morris, B.S.

As a co-founder for KMI, an orbital debris research and solution development company, Troy serves as the Director of Operations. This role utilizes his experience in business development and customer relations, including government and industry opportunities in New Space. These opportunities will lead to the development of an orbital economic ecosystem, where KMI is excited to remove debris and provide materials as the system develops.

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Taylor Burns, B.S.

An affinity water has guided many of Taylor's educational and career path decisions. She is an Environmental Scientist budding a new appreciation for space and enjoys the optimistic relief that comes from searching amongst the stars for solutions to our overwhelming climate challenges. Taylor Burns' interests remain in Circular Economy goals, regenerative design and regenerative economics.

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Michael Laine

Laine has been involved with Space Elevator research since 2001 – as part of the definitive NASA Institute for Advanced Concepts (NIAC) study. At the NIAC conclusion, Laine used the accumulated knowledge to form LiftPort Group to push forward the concept and construct an Elevator on the Moon. Laine is President of LiftPort Group – the commercial effort to build the Lunar Space Elevator. LiftPort Group is an “idea factory” focused on commercializing the spin-off technologies developed in pursuit of the Lunar Space Elevator Infrastructure.

<https://www.liftport.com>

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